

**Exhibit 300: Capital Asset Plan and Business Case Summary****Part I: Summary Information And Justification (All Capital Assets)****Section A: Overview (All Capital Assets)**

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|---|--|
| 1. Date of Submission:  | 4/10/2009                                  |
| 2. Agency:  | Department of Energy                       |
| 3. Bureau:  | Environmental And Other Defense Activities |
| 4. Name of this Capital Asset:  | RW DOE Licensing Support Network (LSN)     |
| 5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)   | 019-10-01-20-01-1014-00                    |
| 6. What kind of investment will this be in FY 2010? (Please NOTE: Investments moving to O&M in FY 2010, with Planning/Acquisition activities prior to FY 2010 should not select O&M. These investments should indicate their current status.)   | Operations and Maintenance                 |
| 7. What was the first budget year this investment was submitted to OMB?   | FY2001 or earlier                          |
| 8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap:  |  |
| <p>The LSN is a first and one-of-a-kind licensing support system; it is not replacing any existing system. As part of the U.S. Department of Energy (DOE), the Office of Civilian Radioactive Waste Management (OCRWM) is responsible for managing the disposal of the nation's spent nuclear fuel and high-level radioactive waste. The Nuclear Waste Policy Act (NWPA), enacted by Congress in 1982 and amended in 1987, established a process for the development of a geologic repository for the disposal of spent nuclear fuel and high-level radioactive waste at Yucca Mountain, NV. Within this Act, the Nuclear Regulatory Commission (NRC) is required to consider the DOE License Application for construction authorization and to issue a final decision within three years.</p> <p>As defined in the regulation, the LSN is a system that makes documentary material available electronically.</p> |  |
| 9. Did the Agency's Executive/Investment Committee approve this request?  | Yes  |
| a. If "yes," what was the date of this approval?  | 8/21/2008                                  |
| 10. Did the Project Manager review this Exhibit?  | Yes  |
| 11. Contact information of Program/Project Manager?   |  |
| Name  | Larson, Ned                                |
| Phone Number  | 702-794-1454                               |
| Email   | Ned.Larson@rw.doe.gov                      |
| a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager?   | Waiver Issued                              |
| b. When was the Program/Project Manager Assigned?   | 1/23/2007                                  |
| c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification?  | 3/17/2006                                  |
| 12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project?   | Yes  |
| a. Will this investment include electronic assets (including computers)?  | Yes  |
| b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)   | No   |
| 1. If "yes," is an ESPC or UESC being used to help fund this investment?  | No   |
| 2. If "yes," will this investment meet sustainable  | No   |

design principles?

3. If "yes," is it designed to be 30% more energy efficient than relevant code?

13. Does this investment directly support one of the PMA initiatives? Yes

If "yes," check all that apply:

Expanded E-Government

a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)

The DOE LSN System provides the ability to electronically disseminate information to Affected Units of Government, Indian Tribes and the public. The LSN is intended to improve the NRC's ability to review the DOE License Application within a three-year period and electronically provide access to licensing relevant materials to interested parties. The LSN directly supports the eGov goal of improved Government Service Delivery.

14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit [www.whitehouse.gov/omb/part](http://www.whitehouse.gov/omb/part).) Yes

a. If "yes," does this investment address a weakness found during a PART review? No

b. If "yes," what is the name of the PARTed program? 10001049 - Civilian Radioactive Waste Management Program: Yucca Mountain Project

c. If "yes," what rating did the PART receive? Adequate

15. Is this investment for information technology? Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance) Level 3

17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance) (1) Project manager has been validated as qualified for this investment

18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2008 agency high risk report (per OMB Memorandum M-05-23)? No

19. Is this a financial management system? No

a. If "yes," does this investment address a FFMIA compliance area?

1. If "yes," which compliance area:

2. If "no," what does it address?

b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52

20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)

Hardware	0
Software	0
Services	100
Other	0

21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities? N/A

22. Contact information of individual responsible for privacy related questions:

Name	Lopez, Abel
Phone Number	202-586-5955
Title	Freedom of Information Act and Privacy Officer

E-mail

Abel.lopez@hq.doe.gov

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?

Yes

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas? No

### Section B: Summary of Spending (All Capital Assets)

1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The "TOTAL" estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

<b>Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)</b>									
(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)									
	<b>PY-1 and earlier</b>	<b>PY 2008</b>	<b>CY 2009</b>	<b>BY 2010</b>	<b>BY+1 2011</b>	<b>BY+2 2012</b>	<b>BY+3 2013</b>	<b>BY+4 and beyond</b>	<b>Total</b>
Planning:	20.67	0	0	0	0	0	0	0	20.67
Acquisition:	25.334	0	0	0	0	0	0	0	25.334
Subtotal Planning & Acquisition:	46.004	0	0	0	0	0	0	0	46.004
Operations & Maintenance:	105.724	17.015	13.59	16.359	18.926	18.376	17.456	34.7	242.146
TOTAL:	151.728	17.015	13.59	16.359	18.926	18.376	17.456	34.7	288.150
<b>Government FTE Costs should not be included in the amounts provided above.</b>									
Government FTE Costs	1.276	0.323	0.339	0.356	0.374	0.098	0.098	0.49	3.354
Number of FTE represented by Costs:	11	1	1	1	1	1	1	3	20

Note: For the multi-agency investments, this table should include all funding (both managing partner and partner agencies). Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's? No

a. If "yes," How many and in what year?

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:

The purpose of the LSN is not to improve, replace, or to satisfy any existing system. The LSN is a licensing discovery database that must satisfy 10 CFR 2 Subpart J and provide all potentially relevant DOE documentary material to the NRC and other interested parties for their review prior and during the high-level waste hearing process. The volume of documentary material has increased and the various reviews for identifying homeland security, legal, and privacy information have increased. However, the reviews are becoming more efficient. These actions have delayed the LSN Certification and have added costs onto the estimated OCRWM LSN life-cycle costs without making any change to the IT design or operations. As defined in the regulations, the LSN is a system that makes documentary material available electronically. Although sponsored and designed by the NRC, DOE is responsible for developing and maintaining their system and server that will hold all of their documentary material.

### Section C: Acquisition/Contract Strategy (All Capital Assets)

1. Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

Exhibit 300: RW DOE Licensing Support Network (LSN) (Revision 14)

Contracts/Task Orders Table:															* Costs in millions	
Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order (\$M)	Is this an Interagency Acquisition ? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/em ail)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition ? (Y/N)
	Interagency Agreement	No	10/1/2012	10/1/2012	9/30/2017	23.005	Yes	Yes	Yes	NA	Yes	Yes	John Delis	702 794 5483 john.delis@rw.doe.gov	Level 3	
DE-AC28-07RW12382	Cost Plus Award Fee	Yes	2/1/2008	6/16/2008	12/5/2011	1.75	No	Yes	Yes	NA	Yes	Yes	John Delis	702 794-5483 john.delis@rw.doe.gov	Level 3	
	Cost Plus Award Fee	No	1/26/2011	1/26/2011	9/30/2017	4.025	No	Yes	Yes	NA	Yes	Yes	John Delis	702 794-5483 john.delis@rw.doe.gov	Level 3	
ISRI DE-AC28-04RW12230	Cost Reimbursement	Yes	10/1/2003	10/1/2003	6/30/2008	6.094	No	Yes	Yes	NA	Yes	Yes	Spencer Peterson	702 794-5521 spencer.peterson@rw.doe.gov	Level 3	
	cost reimbursement	No	10/1/2011	10/1/2011	9/30/2017	6.539	No	Yes	Yes	NA	Yes	Yes	Joann Wright	505 845-4096 jwright@doe.al.gov	Level 3	
CACI-DE-A128-03RW12194	Interagency Agreement	Yes	1/24/2003	1/24/2003	9/15/2007	108.391	Yes	Yes	Yes	NA	Yes	Yes	John G. Delis	702 794 5483 john.delis@rw.doe.gov	Level 3	
CACI-DE-AI28-07RW12409	Interagency Agreement	Yes	9/15/2007	9/15/2007	9/30/2012	56.22	Yes	Yes	Yes	NA	Yes	Yes	John G. Delis	702-794-5483 / john.delis@rw.doe.gov	Level 3	
DE-AC28-01RW12101	Cost Plus Award Fee	Yes	11/14/2000	2/11/2001	3/31/2009	24.327	No	Yes	Yes	NA	Yes	Yes	Spencer Peterson	702-794-5521 / spencer.peterson@rw.doe.gov	Level 3	
DE-AC28-02RW12152-LSN Task	Cost Plus Award Fee	Yes	6/13/2002	6/16/2002	6/15/2008	7.664	No	Yes	Yes	NA	Yes	Yes	John G. Delis	702-794-5483 / john.delis@rw.doe.gov	Level 3	
Hunton and Williams with Office of	Cost Reimbursement	Yes	4/1/2004	4/1/2004	9/30/2009	17.378	No	Yes	Yes	NA	Yes	Yes	Spencer Peterson	702-794-5521 / spencer.pete	Level 3	

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Contracts/Task Orders Table:															* Costs in millions	
Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order (\$M)	Is this an Interagency Acquisition ? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition ? (Y/N)
General Counsel														rson@rw.doe.gov		
	Cost Plus Award Fee	No	4/1/2009	4/1/2009	9/30/2017	14.968	No	Yes	Yes	NA	Yes	Yes	Marc McCusker	702-794-5514 / marc.mccusker@rw.doe.gov	Level 3	
Lead Lab-NNSA-DEAC04-94AL85000 SNL M244	Cost Reimbursement	Yes	10/1/1993	10/1/1993	9/30/2010	6.326	No	Yes	Yes	NA	Yes	Yes	Joann Wright	505 845-4096 / jwright@doe.al.gov	Level 3	
	Cost reimbursement	No	10/1/2012	10/1/2012	9/30/2017	19.75	No	Yes	Yes	NA	Yes	Yes	Spencer Peterson	702 794-5521 spencer.peterson@rw.doe.gov	Level 3	

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

3. Do the contracts ensure Section 508 compliance?

No

a. Explain why not or how this is being done?

The contractors are taking existing documents and placing them on the DOE LSN server. They are not required to create 508 compliant documents for documents developed prior to the 508 implementation date.

4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7.1 and has been approved in accordance with agency requirements?

Yes

a. If "yes," what is the date?

10/1/2002

1. Is it Current?

Yes

b. If "no," will an acquisition plan be developed?

No

1. If "no," briefly explain why:

There is an agency approved acquisition plan for LSN, it is dated 10/1/2002. The acquisition Plan was to obtain a qualified contractor through the DOJ to implement the LSN for the DOE and that has not changed. The scope and priorities have not changed. The current plans are reflected in the LSN Project Execution Plan Rev 3, August 2006. An Acquisition Plan is being developed as a part of the inter-agency agreement between the DOE and DOJ to continue the LSN contractor.

### Section D: Performance Information (All Capital Assets)

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at [www.egov.gov](http://www.egov.gov). The table can be extended to include performance measures for years beyond the next President's Budget.

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2006	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the RW LSN	Provide 99% availability and accessibility to documentary material on the OCRWM LSN.	The documents released in the initial release were available 100% of the time.
2006	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Cycle Time	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 95% of the documents received within 60 days of receipt.	99% of the documents were processed. The remaining will be incorporated into the 3rd level legal review as defined by the 2 CMO issued by the NRC PAPO Board.
2007	GOAL 1.2	Customer	Service	Access	Continue to	Provide 95%	Provide 99%	All documents

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Results	Accessibility		provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	availability and accessibility to documentary material on the OCRWM LSN.	availability and accessibility to documentary material on the OCRWM LSN.	have been available 100% of the time. A second release in April 2007 made 3.4 million documents available to the NRC LSN.
2007	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Mission and Business Results	Litigation and Judicial Activities	Legal Defense	Compliance with Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	100% of the received information uploaded to the LSN.	100% LSN-relevant information uploaded	100% of the LSN relevant information has been uploaded to the LSN.
2007	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 97% of the documents received within 60 days of receipt.	97% of the documents have been provided.
2007	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	DOE documentary material has been available to the NRC 7 days a week 24 hours per day.
2008	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the OCRWM LSN.	Provide 99% availability and accessibility to documentary material on the OCRWM LSN	All documents have been available 100% of the time Thus far in FY08, an additional 224,000 documents have been released on the LSN.
2008	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria	Mission and Business Results	Litigation and Judicial Activities	Legal Defense	Compliance with Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	100% of the received information uploaded to the LSN.	100% LSN-relevant information uploaded	100% of the LSN relevant information has been uploaded to the LSN.

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	pollutants) from our energy production and use.							
2008	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 98% of the documents received within 60 days of receipt.	The average percent of documents processed and provided within 60 days of receipt for FY08 is 98%.
2008	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	DOE documentary material has been available to the NRC 7 days a week 24 hours per day.
2009	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the OCRWM LSN.	Provide 99% availability and accessibility to documentary material on the OCRWM LSN	On schedule through 2nd Quarter.
2009	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Mission and Business Results	Litigation and Judicial Activities	Legal Defense	Compliance with Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	100% of the received information uploaded to the LSN.	100% LSN-relevant information uploaded	On schedule through 2nd Quarter.
2009	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 98% of the documents received within 60 days of receipt.	On schedule through 2nd Quarter.
2009	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	On schedule through 2nd Quarter.



Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.							
2010	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the OCRWM LSN.	Provide 99% availability and accessibility to documentary material on the OCRWM LSN	TBD, available 9/30/10
2010	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Mission and Business Results	Litigation and Judicial Activities	Legal Defense	Compliance with Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	100% of the received information uploaded to the LSN.	100% LSN-relevant information uploaded	TBD, available 9/30/10
2010	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 98% of the documents received within 60 days of receipt.	TBD, available 9/30/10
2010	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	TBD, available 9/30/10
2011	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the OCRWM LSN.	Provide 99% availability and accessibility to documentary material on the OCRWM LSN	TBD, available 9/30/11
2011	GOAL 1.2	Mission and	Litigation and	Legal Defense	Compliance with	100% of the	100% LSN-	TBD, available

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Business Results	Judicial Activities		Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	received information uploaded to the LSN.	relevant information uploaded	9/30/11
2011	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 98% of the documents received within 60 days of receipt.	TBD, available 9/30/11
2011	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	TBD, available 9/30/11
2012	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the OCRWM LSN.	Provide 99% availability and accessibility to documentary material on the OCRWM LSN	TBD, available 9/30/12
2012	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Mission and Business Results	Litigation and Judicial Activities	Legal Defense	Compliance with Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	100% of the received information uploaded to the LSN.	100% LSN-relevant information uploaded	TBD, available 9/30/12
2012	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 98% of the documents received within 60 days of receipt.	TBD, available 9/30/12

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	pollutants) from our energy production and use.							
2012	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	TBD, available 9/30/12
2013	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Customer Results	Service Accessibility	Access	Continue to provide 24/7 uptime and to maintain and manage the files on the external server which is being crawled daily by the NRC and the images are provided to users of the LSN.	Provide 95% availability and accessibility to documentary material on the OCRWM LSN.	Provide 99% availability and accessibility to documentary material on the OCRWM LSN	TBD, available 9/30/13
2013	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Mission and Business Results	Litigation and Judicial Activities	Legal Defense	Compliance with Nuclear Regulatory Commission Regulation 10 CFR Part 2 Subpart J.	100% of the received information uploaded to the LSN.	100% LSN-relevant information uploaded	TBD, available 9/30/13
2013	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Processes and Activities	Cycle Time and Timeliness	Timeliness	Process and place onto the DOE LSN all of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 90% of the documents received within 60 days of receipt.	Process and place onto the DOE LSN 98% of the documents received within 60 days of receipt.	TBD, available 9/30/13
2013	GOAL 1.2 Environmental Impacts of Energy Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.	Technology	Information and Data	External Data Sharing	Having data easily accessible for NRC discovery process.	DOE has made their documentary material available to the NRC 24/7.	On-line interactive response to NRC requests for information.	TBD, available 9/30/13

### Section E: Security and Privacy (IT Capital Assets only)

In order to successfully address this area of the business case, each question below must be answered at the system/application

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level, not at a program or agency level. Systems supporting this investment on the planning and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the "Systems in Planning" table (Table 3) and the "Operational Systems" table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the "Name of System" column of the privacy table (Table 8) should match the systems listed in columns titled "Name of System" in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer "yes" for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

Please respond to the questions below and verify the system owner took the following actions:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment?:
  - a. If "yes," provide the "Percentage IT Security" for the budget year:
2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment?

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):			
Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)

4. Operational Systems - Security Table:							
Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST 800-37? (Y/N)	Date Completed: C&A	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, Other, N/A)	Date Completed: Security Control Testing	Date the contingency plan tested
LSN							

5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?
  - a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?
  - a. If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

All contracts supporting the LSN contain provisions for compliance with Agency security policies and procedures such as incident reporting. Additionally, security procedures are verified and validated by recent or planned assessments of LSN.

8. Planning & Operational Systems - Privacy Table:
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**Exhibit 300: RW DOE Licensing Support Network (LSN) (Revision 14)**

(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
LSN	No	No	The system does not collect information from the public.	No	The system is not a Privacy Act system of record.
<b>Details for Text Options:</b> Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.  Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.  Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.					

**Section F: Enterprise Architecture (EA) (IT Capital Assets only)**

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture? **Yes**

a. If "no," please explain why?

2. Is this investment included in the agency's EA Transition Strategy? **Yes**

a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment. **RW DOE Licensing Support Network (LSN)**

b. If "no," please explain why?

3. Is this investment identified in a completed and approved segment architecture? **No**

a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to <http://www.egov.gov>. **330-000**

<b>4. Service Component Reference Model (SRM) Table:</b>								
Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to <a href="http://www.egov.gov">http://www.egov.gov</a> .								
Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Content Publishing and Delivery	Digital Asset Services	Digital Asset Services	Content Management	Content Publishing and Delivery			No Reuse	1
Content Review and Approval	Digital Asset Services	Digital Asset Services	Content Management	Content Review and Approval			No Reuse	68
Document Conversion	Digital Asset Services	Digital Asset Services	Document Management	Document Conversion			No Reuse	17
Document Referencing	Digital Asset Services	Digital Asset Services	Document Management	Document Referencing			No Reuse	1
Library / Storage	Digital Asset Services	Digital Asset Services	Document Management	Library / Storage			No Reuse	13

a. Use existing SRM Components or identify as "NEW". A "NEW" component is one not already identified as a service component in the FEA SRM.

b. A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

c. 'Internal' reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. 'External' reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

Exhibit 300: RW DOE Licensing Support Network (LSN) (Revision 14)

d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

<b>5. Technical Reference Model (TRM) Table:</b> To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.				
<b>FEA SRM Component (a)</b>	<b>FEA TRM Service Area</b>	<b>FEA TRM Service Category</b>	<b>FEA TRM Service Standard</b>	<b>Service Specification (b) (i.e., vendor and product name)</b>
	Component Framework	Security		
Content Publishing and Delivery	Component Framework	User Presentation / Interface	Static Display	
Document Conversion	Service Access and Delivery	Access Channels	Web Browser	
Document Referencing	Service Access and Delivery	Access Channels	Web Browser	
Library / Storage	Service Access and Delivery	Service Requirements	Legislative / Compliance	

a. Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications

b. In the Service Specification field, agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

6. Will the application leverage existing components and/or applications across the Government (i.e., USA.gov, Pay.Gov, etc)? Yes

a. If "yes," please describe.

The data on the DOE servers is made available to the NRC LSN for search and retrieval of information.

**Exhibit 300: Part III: For "Operation and Maintenance" investments ONLY (Steady State)****Section A: Risk Management (All Capital Assets)**

Part III should be completed only for investments identified as "Operation and Maintenance" (Steady State) in response to Question 6 in Part I, Section A above.

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

1. Does the investment have a Risk Management Plan? Yes
  - a. If "yes," what is the date of the plan? 5/19/2008
  - b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? No
  - c. If "yes," describe any significant changes:

The LSN is in Steady State operation and performance is being monitored. No new risks have been identified. The Risk Management plan is now included within the LSN Execution Plan which was revised in June 2007.

2. If there currently is no plan, will a plan be developed?
  - a. If "yes," what is the planned completion date?
  - b. If "no," what is the strategy for managing the risks?

**Section B: Cost and Schedule Performance (All Capital Assets)**

1. Was an operational analysis conducted? Yes
  - a. If "yes," provide the date the analysis was completed. 6/2/2008
  - b. If "yes," what were the results?

The LSN Certification by DOE was submitted to the NRC and withstood legal challenges by the State of Nevada. In the current process, the DOE must provide monthly certifications to the NRC which indicate that DOE is providing all of their documentation to the LSN. The LSN is continuing to meet the NRC requirements by providing DOE documentation in a timely manner. This process must continue until the end of discovery, 608 days after docketing of the DOE License Application by the NRC.

Metrics are being maintained after the initial LSN Certification date to ensure compliance with 10 CFR 2 Subpart J in a timely manner.

The LSN Project consists of 5 participants. Earned value metrics are maintained for each participant and the LSN Project as a whole. For FY 08, the LSN Project has the following earned value metrics:

ACWP \$17.0M

BCWS \$17.9M

BCWP \$17.9M

Schedule Performance Index - 1.00

Cost Performance Index - 1.05

The LSN Project is currently working on milestone CAM2LT and progress is currently on schedule and within acceptable variance.

- c. If "no," please explain why it was not conducted and if there are any plans to conduct operational analysis in the future:

2. Complete the following table to compare actual cost performance against the planned cost performance baseline. Milestones reported may include specific individual scheduled preventative and predictable corrective maintenance activities, or may be the total of planned annual operation and maintenance efforts).

- a. What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)? Contractor and Government

Exhibit 300: RW DOE Licensing Support Network (LSN) (Revision 14)

2.b Comparison of Plan vs. Actual Performance Table

Milestone Number	Description of Milestone	Planned		Actual		Variance	
		Completion Date (mm/dd/yyyy)	Total Cost(\$M)	Completion Date (mm/dd/yyyy)	Total Cost(\$M)	Schedule (# days)	Cost(\$M)
CAM2LN	DOE Submits LSN Certification Letter (rejected)	3/1/2004	\$44.110000	6/29/2004	\$48.475000	-120	-\$4.365000
CAM2LS	DOE Submits Updated Certification	6/30/2008	\$18.493000	6/3/2008	\$12.331000	27	\$6.162000
CAM2LT	Continue to feed OCRWM LSN through the discovery period (608 days after docketing of the License Application by the NRC	10/4/2010	\$35.268000				
CAM2SL	DOE Submits LSN Certification	9/20/2007	\$104.954000	10/19/2007	\$106.260000	-29	-\$1.306000
LAM1RF	Maintain the OCRWM LSN through the remainder of the hearing for construction authorization.	3/13/2012	\$28.537000				
RAM1LS	Delivery of LSN Certification for Receipt and Possession of HLW	9/28/2012	\$9.237000				
RAM1LT	Delivery of Updated LSN Certification for Receipt and Possession of HLW	3/29/2013	\$8.777000				
RAM2LU	Continue to feed the OCRWM LSN through the discovery Period of the second hearing process.	3/2/2015	\$29.165000				
LAM1300	Maintain the OCRWM LSN through the remainder of the second hearing	3/31/2017	\$12.406000				
<b>Project Totals</b>		<b>3/31/2017</b>	<b>\$290.947000</b>	<b>6/3/2008</b>	<b>\$167.066000</b>	<b>3223</b>	<b>\$123.881000</b>